

## ABSTRACT

The invention relates to systems and methods for reestablishing client communications by securely traversing network components using an encapsulating communication protocol to provide session persistence and reliability. A first protocol that encapsulates a plurality of secondary protocols is used to communicate over a network to provide session persistence and a reliable connection between a client and a host service via a first protocol service. A ticket authority generates a first ticket and a second ticket associated with the client. The first ticket is provided to the client and the client uses the first ticket to establish a communication session with the first protocol service. The second ticket is provided to the first protocol service and the first protocol service uses the second ticket to establish a communication session with the host service.